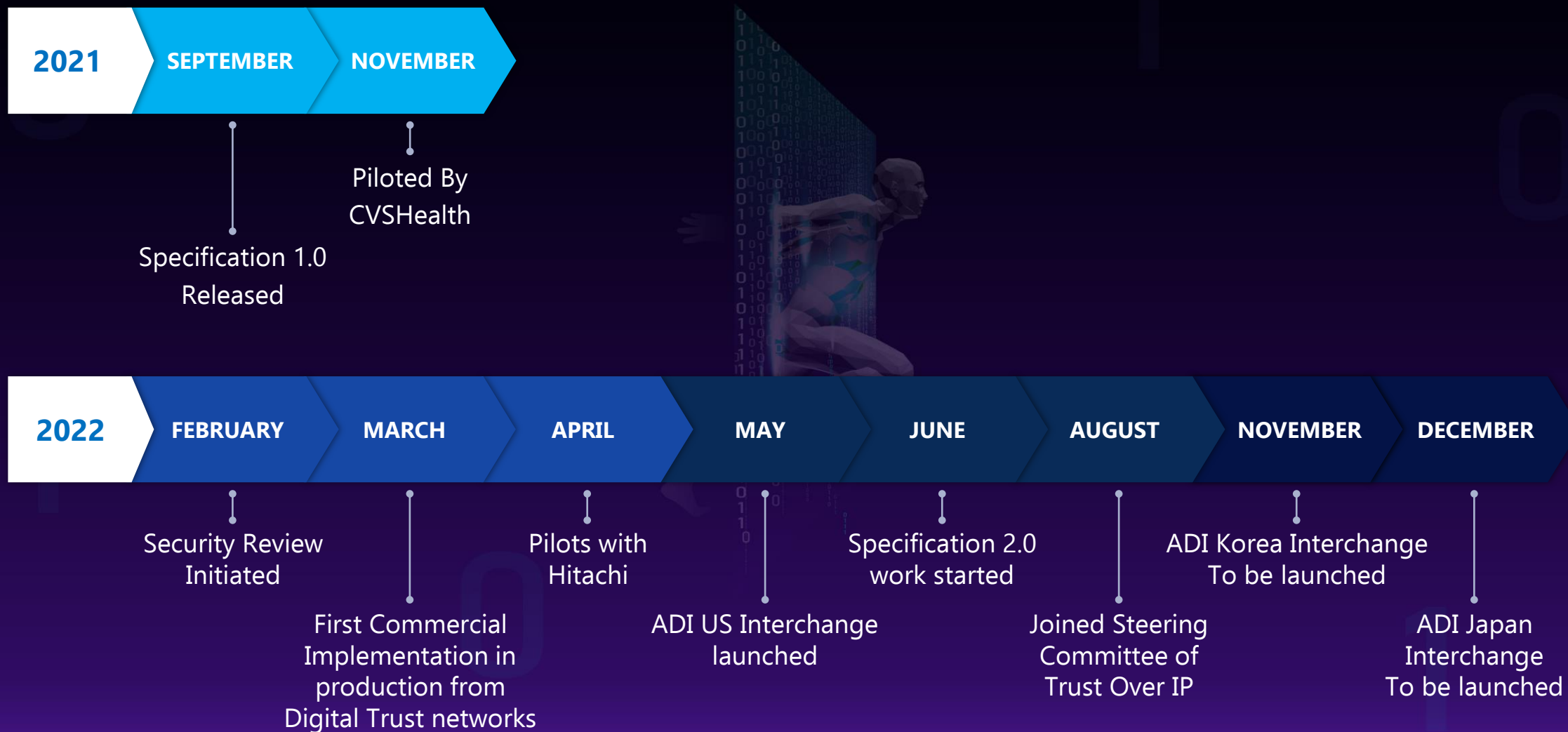




Balancing Security and Privacy with Trust and Accountability

ADI Association Ramesh Kesanupalli

Since last we spoke



Current Board member



Quick Refresh On ADI Framework



Digital Landscape : Fraud & Disinformation

Cyber Attacks & Fraud

Hackers Expose 8.4 Billion Passwords Post them Online in Possibly Largest Dump of Passwords Ever
Date: June 8, 2021

LinkedIn

Date: 2012 (and 2013)

Impact: 165 million user accounts

Details: As the major social network for business professionals, LinkedIn

Zynga

Date: September 2019

KYC expiration pretext used in multiple cases of online fraud

People share confidential information, OTPs and download whatever the caller asks them to without verifying. That is a problem, says police inspector Jayram Paygude of the cyber police station

Updated Jun 25, 2020 16:35 IST

Coronavirus caused surge in online fraud, TransUnion finds

Mar

Date: 2014-18

Impact: 500 m

Details: Maric

Adobe

Date: October

Impact: 153 m

Details: As r

Dubai police arrest 11 'stars' behind Dh1.6bn international online fraud

Adult Yahoo

Date: Oct

Impact: 4

Details: T

Date: 20

Impact:

Details:

Sina Weibo

Date: March 2020

Impact: 538 million accounts

Details: With over 500 million users, Sina Weibo is China's answer to

Equifax

Date: July 29, 2017

Impact: 147.9 million consumers

Details: Equifax, one of the largest credit bureaus in the US, said on Sept.

Imagine metaverse without absolute identity

Disinformation & Fake News

Russia and China push 'fake news' on coronavirus crisis, report claims

RT officials claim Moscow and Beijing continue to peddle disinformation on social media and its partners.

China's disinformation threat is real. We need better defences against state-based cyber campaigns

June 23, 2020 4:16pm EDT

How Russian "Fake News" Hardened America's Divide

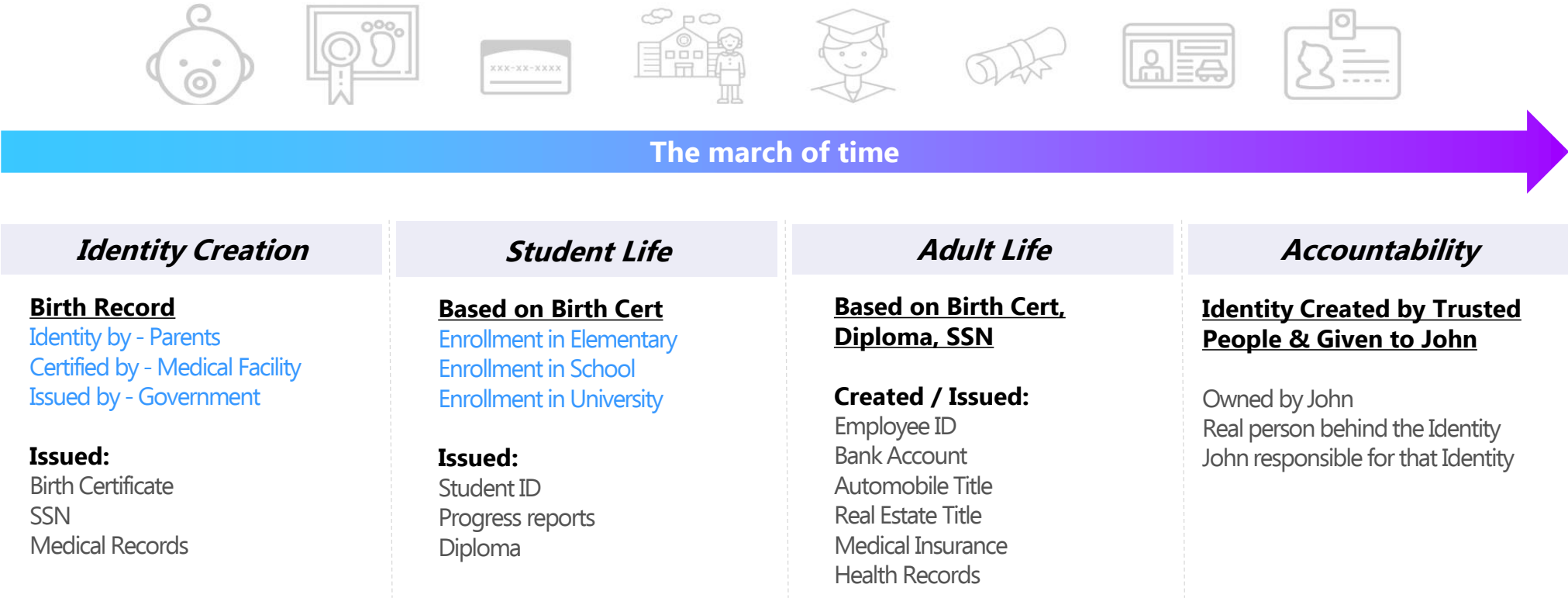
The 10 most-viewed fake-news story on Facebook in 2019 revealed in a new report

1. "Trump's grandfather was a pimp and tax evader: his father a member of 1
2. "Nancy Pelosi diverting Social Security money for the impeachment inquiry"
3. "AOC proposed a motorcycle ban"
4. "Trump Is Now Trying To Get Mike Pence Impeached"
5. "Ilhan Omar Holding Secret Fundraisers With Islamic Groups Tied to Terror"
6. "'BREAKING: Nancy Pelosi's Son Was Exec At Gas Company That Did Business In Ukraine"
7. "Democrats Vote Now, Vote Down Veterans Service"
8. "Tim Allen quote Trump's wall costs less than the Obamacare website"
9. "NYC coroner who declared the death of Jeffrey Epstein a suicide made half a million dollars a year working for the CIA"
10. "Joe Biden Calls Trump Supporters 'Dregs of Society'"

Foundational needs

- Identity First – Security Model
- Existing Identity frameworks are regional – need interoperability for Global Digital Transformation
- Account Oriented Infrastructure without human binding is not suited for emerging digital world
- Establishing Accountability in the Digital world is critical
- Data representations should come from Sources for trustworthiness
- Data should not be consolidated, and should be left with issuing sources or a cloud provider for edge cases to comply with Privacy and Cross Border data regulations
- User consent is critical for any data disclosures
- **Time to change the Digital Infrastructure from an Account orientation to an Identity Orientation**

Lifecycle of Identity In Real life



Solution

Unique Digital Address for every user

- Given by a trusted Issuer
- Bound to human attributes (Name, DOB, Country ID)
- Unlocked by FIDO authentication
- Control various Identity and Data Disclosures while interacting with Digital Services in real time directly from Issuing sources

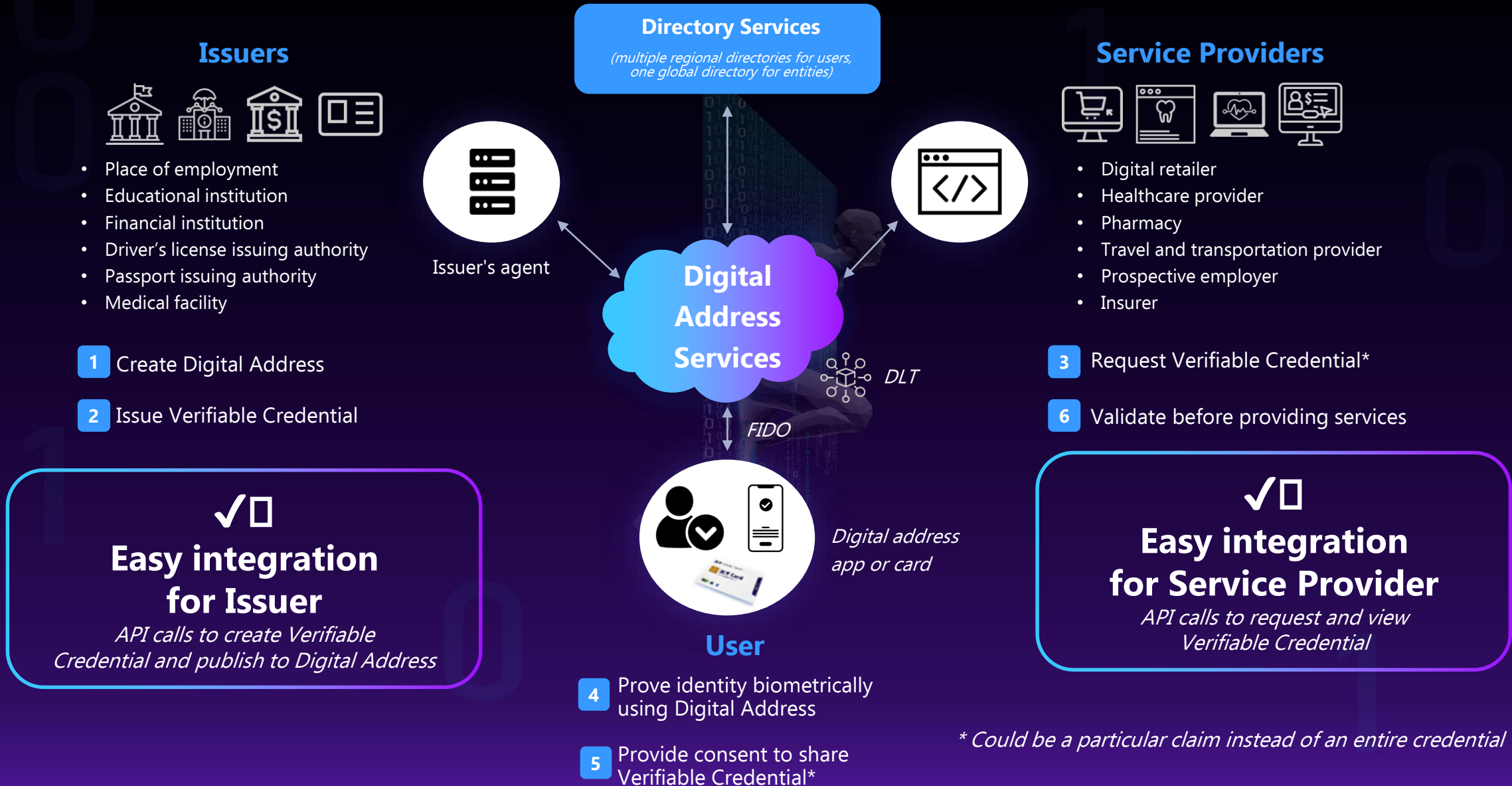


Digital Address:
John.doe@DTX

Fix the root cause, and stop treating the symptoms



ADI Interchange architecture



5 Core Principles of ADIA

**We Do Not Own
Personal Data**



**Personal ID Data
Remain
with Issuers Only**



**User's Consent for
Data Disclosure**

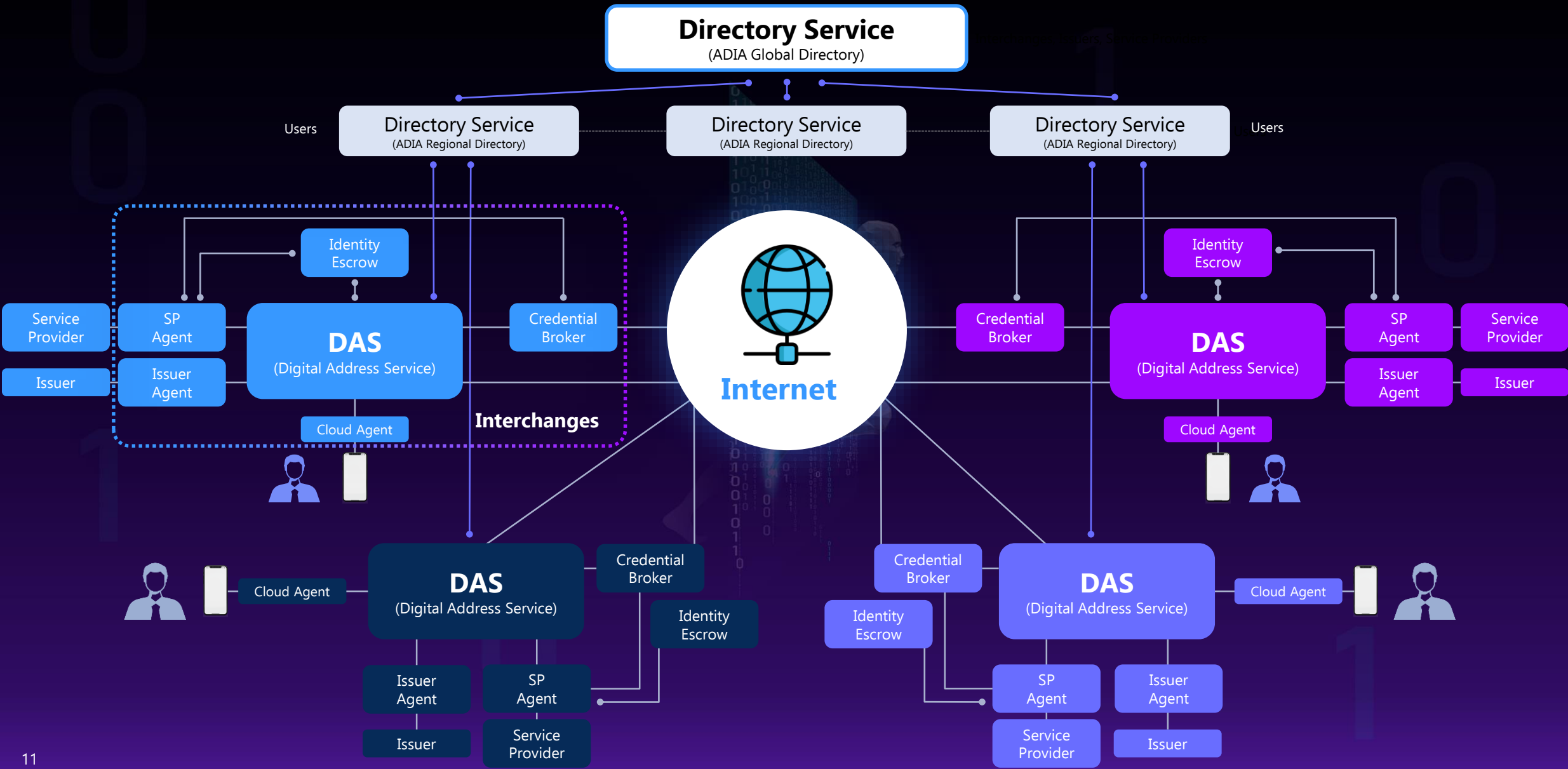


**Issuers & Users
Into the
Value Chain**



**We Include
All People
in Digital Identity**





Global interoperability of ADIA interchanges



Call to Action

- Specification 2.0 work just started
- Please join the ADI Association as member
- Help Advance and Contribute to the Specification
- Extend your FIDO Implementation to add Identity to bring Accountability framework to the digital networks
- Implement ADI Framework
- Participate in Directory Service hosting





시큐업 세미나 2022

디지털 인증의 현재와 미래